WHAT IS CLAIMED IS:

1	1.	An isolated nucleic acid encoding an SSG polypeptide, said
2	polypeptide comprisii	ng an amino acid sequence that is at least about 70% identical to an
3	= '	as set forth in SEQ ID NO:1 or 3.
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1	2.	The nucleic acid of claim 1, wherein said polypeptide specifically
2		ntibodies generated against a polypeptide that comprises an amino
3	acid sequence selecte	d from the group consisting of SEQ ID NO:1, SEQ ID NO:3, SEQ
4	ID NO:5 and SEQ ID	NO:6.
1	3.	The nucleic acid of claim 1, wherein said polypeptide comprises an
2	amino acid sequence	selected from the group consisting of SEQ ID NO:1, SEQ ID NO:3,
3	SEQ ID NO:5 and SEQ ID NO:6.	
		The state of the s
1	4.	The nucleic acid of claim 1, wherein said polypeptide forms a
2	dimer with a second.	ABC polypeptide, and wherein said dimer exhibits sterol transport
3	activity.	
1	5.	The nucleic acid of claim 4, wherein said dimer is a heterodimer.
1	6.	The nucleic acid of claim 4, wherein said sterol is cholesterol.
1	7.	The nucleic acid of claim 5, wherein said second ABC polypeptide
2	is ABC8.	
1	8.	The nucleic acid of claim 1, wherein said nucleic acid hybridizes
2	under moderately str	ingent hybridization conditions to a nucleic acid comprising a
3	nucleotide sequence as set forth in SEQ ID NO:2 or 4.	
1	9.	The nucleic acid of claim 8, wherein said nucleic acid hybridizes
2	under stringent hybri	dization conditions to a nucleic acid comprising a nucleotide
3	sequence as set forth	in SEQ ID NO:2 or 4.
1	10.	The nucleic acid of claim 1, wherein said nucleic acid comprises a
2		at least about 70% identical to a sequence as set forth in SEQ ID
3	NO:2 or 4.	

1	11. The nucleic acid of claim 1, wherein said nucleic acid comprises a
2	nucleotide sequence as set forth in SEQ ID NO:2 or 4.
1	12. The nucleic acid of claim 1, wherein said nucleic acid is greater
2	than 502 nucleotides in length.
2	
1	13. The nucleic acid of claim 1, wherein said nucleic acid is from a
2	mouse or a human.
1	14. The nucleic acid of claim 1, wherein said nucleic acid is expressed
2	in the intestine or in the liver in the presence of an LXR agonist.
_	and the state of t
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2	in a tissue selected from the group consisting of liver, jejunum, ileum, and duodenum.
1	16. An isolated nucleic acid encoding an SSG polypeptide, said
2	polypeptide comprising an amino acid sequence selected from the group consisting of
3	SEQ ID NO:5 and SEQ ID NO:6.
	17. An expression cassette comprising the nucleic acid of claim 1
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2	operably linked to a promoter.
1	18. An isolated cell comprising the expression cassette of claim 17.
1	19. An isolated SSG polypeptide, said polypeptide comprising an
2	amino acid sequence that is at least about 70% identical to an amino acid sequence as set
3	forth in SEQ ID NO:1 or 3.
1	20. The isolated polypeptide of claim 19, wherein said polypeptide
1 2	selectively binds to polyclonal antibodies generated against a polypeptide comprising an
3	amino acid sequence as set forth in SEQ ID NO:1 or 3.
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1	21. The isolated polypeptide of claim 19, wherein said polypeptide
2	comprises an amino acid sequence as set forth in SEQ ID NO:1 or 3.
1	22. The isolated polypeptide of claim 19, wherein said polypeptide
2	forms a dimer with a second ABC polypeptide, and wherein said dimer exhibits sterol
3	transport activity.

1		23.	The isolated polypeptide of claim 22, wherein said dimer is a
2	heterodimer.		
1		24.	The isolated polypeptide of claim 23, wherein said second ABC
2	polypeptide is	s ABC8	
1		25.	The isolated polypeptide of claim 22, wherein said sterol is
1 2	cholesterol.	23.	
_			The isolated polypeptide of claim 19, wherein said polypeptide is
1		26.	
2	expressed in	the inte	stine or in the liver in the presence of an LXR agonist.
1		27.	The isolated polypeptide of claim 19, wherein said polypeptide is
2	expressed in	a tissue	selected from the group consisting of the liver, jejunum, ileum, and
3	duodenum.		
1		28.	The isolated polypeptide of claim 19, wherein said polypeptide is
2	from a mous	e or a h	uman.
1		29.	An antibody generated against the isolated polypeptide of claim 19.
1		30.	An isolated SSG polypeptide, said polypeptide comprising an
2	amino acid s	sequenc	e selected from the group consisting of SEQ ID NO:5 and SEQ ID
3	NO:6.		
1		31.	A method of making an SSG polypeptide, the method comprising:
2		(i) in	stroducing a nucleic acid of claim 1 into a host cell or cellular extract;
3	and		
4			ncubating said host cell or cellular extract under conditions such that
5	said SSG po	olypepti	de is expressed in the host cell or cellular extract.
1		32.	The method of claim 31, further comprising recovering the SSG
2	polypeptide	from th	ne host cell or cellular extract.
1		33.	A method of identifying a compound useful in the treatment or
1 2	nrevention		rol-related disorder, said method comprising contacting an SSG
3	nolvnentide	e with a	test agent, and determining the functional effect of said test agent upon

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said polypeptide, wherein a functional effect exerted on said polypeptide by said test 4 agent indicates that said test agent is a compound useful in the treatment or prevention of 5 said sterol-related disorder. 6 The method of claim 33, wherein said sterol is cholesterol. 34. 1 The method of claim 33, wherein said polypeptide comprises an 35. 1 amino acid sequence that is at least about 70% identical to an amino acid sequence as set 2 forth in SEQ ID NO:1 or 3. 3 The method of claim 33, wherein said polypeptide is present in a 36. 1 cell or cell membrane. 2 The method of claim 33, wherein said polypeptide is bound to a 37. 1 heterologous ABC polypeptide, forming a heterodimer. 2 The method of claim 33, wherein said functional effect comprises 38. 1 an increase in the sterol transport activity of said polypeptide. 2 The method of claim 33, wherein said functional effect comprises a 39. 1 physical interaction between said test agent and said polypeptide. 2 The method of claim 39, wherein said physical interaction is 40. 1 detected using a direct binding assay. 2 The method of claim 33, wherein said sterol-related disorder is 41. 1 sitosterolemia. 2 The method of claim 33, wherein said sterol-related disorder is 42. 1 selected from the group consisting of hypercholesterolemia, hyperlipidemia, gall stones, 2 HDL deficiency, atherosclerosis, and nutritional deficiencies. 3

A method of identifying a compound useful in the treatment or

prevention of a sterol-related disorder, said method comprising contacting with a test

agent a cell that expresses or is capable of expressing an SSG polypeptide, and

determining the functional effect of said test agent upon said cell;

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5	where	ein a functional effect exerted on said cell by said test agent indicates	
6	that said test agent is a compound useful in the treatment or prevention of said sterol-		
7	related disorder.		
1	44.	The method of claim 43, wherein said sterol is cholesterol.	
1	45.	The method of claim 43, wherein said SSG polypeptide comprises	
2	an amino acid seque	ence that is at least about 70% identical to an amino acid sequence as	
3	set forth in SEQ ID	NO:1 or 3.	
1	46.	The method of claim 43, wherein said compound produces an	
2	increase in the expre	ession of an SSG gene that encodes said SSG polypeptide.	
1	47.	The method of claim 46, wherein said increase in the expression of	
2	said SSG gene is de	tected by detecting the level of SSG mRNA in said cell.	
1	48.	The method of claim 46, wherein said increase in the expression of	
2	said SSG gene is de	tected by detecting the level of SSG polypeptide in said cell.	
1	49.	The method of claim 46, wherein said increase in the expression of	
2	said SSG gene is de	stected by detecting the level of SSG protein activity in said cell.	
1	50.	The method of claim 43, wherein said compound modulates the	
2	level of sterol transp	port activity in said cell.	
1	51.	The method of claim 50, wherein said sterol transport activity in	
2	said cell is detected	by detecting the rate of sterol efflux in said cell.	
1	52.	The method of claim 51, wherein said sterol is cholesterol.	
1	53.	The method of claim 46, wherein said increase in the expression of	
2	said SSG gene is m	ediated by LXR or RXR.	
1	54.	The method of claim 43, wherein said sterol-related disorder is	
2	sitosterolemia.		
1	55.	The method of claim 43, wherein said sterol-related disorder is	
2	selected from the g	roup consisting of hypercholesterolemia, hyperlipidemia, gall stones,	
3	HDL deficiency, atherosclerosis, and nutritional deficiencies.		

1	56. A method of treating or preventing a sterol-related disorder in a		
2	mammal, said method comprising administering to said mammal a compound that		
	increases the level of expression or activity of an SSG polypeptide in a plurality of cells		
3	of said mammal.		
4			
1	57. The method of claim 56, wherein said sterol is cholesterol.		
1	58. The method of claim 56, wherein said sterol-related disorder is		
2	sitosterolemia.		
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1	59. The method of claim 56, wherein said sterol-related disorder is		
2	selected from the group consisting of hypercholesterolemia, hyperlipidemia, gall stones,		
3	HDL deficiency, atherosclerosis, and nutritional deficiencies.		
1	60. The method of claim 56, wherein said compound produces a		
2	decrease in the amount of dietary sterol that is absorbed in said mammal.		
1	61. The method of claim 56, wherein said compound produces a		
2	decrease in the amount of sterol that is retained in the liver of said mammal.		
1	62. The method of claim 56, wherein said compound is identified using		
2	the method of claim 33 or 43.		
1	63. The method of claim 56, wherein said compound causes an		
2	increase in LXR or RXR activity within cells of said mammal.		
1	64. A method of prescreening to identify a candidate therapeutic agent		
2	that modulates SSG activity in a mammal, the method comprising:		
3	providing a cell which comprises an SSG polypeptide; and		
4	a test compound; and		
5	determining whether the amount of sterol transport activity in said cell is		
6	increased or decreased in the presence of the test compound relative to the activity in the		
7	absence of the test compound;		
8	wherein a test compound that causes an increase or decrease in the amount		
9	entry is a sandidate therepeutic agent for modulation of SSG activity		
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1		65.	The method of claim 64, further comprising a secondary step,
2	wherein said	test com	pound is administered to a mammal, and the absorption of dietary
3	sterol in said mammal is detected.		
1		66.	A method of inducing the expression of an ABC gene in a
2	mammalian c		method comprising increasing the level of LXR or RXR activity in
3	said cell.	 ,	
1		67.	The method of claim 66, wherein said ABC gene encodes a protein
2	that is involve		e transport of a sterol.
1		68.	The method of claim 67, wherein said ABC gene is selected from
2	the group cor		of SSG, ABC1 and ABC8.
1		69.	The method of claim 67, wherein said sterol is cholesterol.
1		70.	The method of claim 66, wherein said LXR or RXR activity is
2	increased by	adminis	stering an LXR or RXR agonist to said cell.
1		71.	The method of claim 66, wherein said cell is present in a mammal.
1		72.	The method of claim 66, wherein said cell is a liver, intestinal, or
2	kidney cell.		
1		73.	An isolated nucleic acid comprising at least one nucleotide
2	sequence sele	ected fro	om the group consisting of exon 1 (SEQ ID NO:7), exon 2 (SEQ ID
3	NO:8), exon 3 (SEQ ID NO:9), exon 4 (SEQ ID NO:10), exon 5 (SEQ ID NO:11), exon 6		
4	(SEQ ID NO:12), exon 7 (SEQ ID NO:13), exon 8 (SEQ ID NO:14), exon 9 (SEQ ID		
5	NO:15), exon 10 (SEQ ID NO:16), exon 11 (SEQ ID NO:17), exon 12 (SEQ ID NO:18)		
6	and exon 13		
1		74.	The isolated nucleic acid sequence of claim 73, further comprising
2	at least one i	ntron.	